(1)

wherein R¹ and R² are independently selected from H, C¹-C² alkyl, C¹-C³ substituted alkyl, C³-C²0 aryl, C³-C²0 substituted aryl, C³-C²0 arylalkyl, C³-C²0 substituted arylalkyl, acyloxymethyl esters CH²OC( $\bigcirc$ O)R³ and acyloxymethyl carbonates  $\bigcirc$ CH²OC( $\bigcirc$ O)OR³ where R³ is C¹-C³ alkyl, C¹-C³ substituted alkyl, C³-C²0 aryl and C³-C²0 substituted aryl;

 $R^3$  is selected from H,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  substituted alkyl, or  $CH_2OR^8$  where  $R^8$  is  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  hydroxyalkyl and  $C_1$ - $C_6$  haloalkyl;

R<sup>4</sup> and R<sup>5</sup> are independently selected from H, NH<sub>2</sub>, NHR and NR<sub>2</sub> where R is C<sub>1</sub>-C<sub>6</sub> alkyl; and

 $R^6$  and  $R^7$  are independently selected from H and  $C_1$ - $C_6$  alkyl:

or a physiologically functional derivative thereof;

in combination with an effective amount of a compound of the formula

$$RO \longrightarrow B$$
 (2)

wherein B is selected from adenine, guanine, cytosine, uracil, thymine, 7-deazaadenine, 7-deazaguanine, 7-deaza-8-azaguanine, 7-deaza-8-azaguanine, 7-deaza-8-azaguanine, 7-deaza-8-azaguanine, intropyrrole, nitroindole, 2-aminopurine, 2-amino-6-chloropurine, 2,6-diaminopurine, hypoxanthine, pseudouridine, 45-fluorocytosine, 5-chlorocytosine, 5-bromocytosine, 5-io-docytosine, pseudocytosine, pseudoisocytosine, 5-propynyl-cytosine, isocytosine, isoguanine, 7-deazaguanine, 2-thiopyrimidine, 6-thioguanine, 4-thiothymine, 4-thiouracil, O<sup>6</sup>-methylguanine, N<sup>6</sup>-methyladenine, O<sup>4</sup>-methylthymine, 50-6-dihydrothymine, 5,6-dihydrouracil, 4-methylindole, and a pyrazolo[3,4-D]pyrimidine; and

R is selected from H,  $C_1$ - $C_{18}$  alkyl,  $C_1$ - $C_{18}$  substituted alkyl,  $C_2$ - $C_{18}$  alkenyl,  $C_2$ - $C_{18}$  substituted alkenyl,  $C_2$ - $C_{18}$  alkynyl,  $C_2$ - $C_{18}$  substituted alkynyl,  $C_6$ - $C_{20}$  aryl,  $C_6$ - $C_{20}$  substituted aryl,  $C_2$ - $C_{20}$  heterocycle,  $C_2$ - $C_{20}$  substituted heterocycle, phosphonate, phosphophosphonate, diphosphophosphonate, phosphate, triphosphate, polyethyleneoxy or a physiologically functional derivative thereof; and

a pharmaceutically acceptable carrier.

B2. A composition of embodiment A1 wherein, in formula 1, R¹ and R² are independently selected from H, C₁-C6 alkyl, C₁-C6 substituted alkyl, C6-C20 aryl, C6-C20 substituted aryl, C6-C20 arylalkyl, C6-C20 substituted arylalkyl, acyloxymethyl esters —CH2OC(=O)R² and acyloxymethyl carbonates —CH2OC(=O)OR² where R² is C₁-C6 alkyl,

 $C_1$ - $C_6$  substituted alkyl,  $C_6$ - $C_{20}$  aryl and  $C_6$ - $C_{20}$  substituted aryl; and  $R^3$ ,  $R^4$ ,  $R^5$ ,  $R^6$  and  $R^7$  are independently H or  $C_1$ - $C_6$  alkyl.

C3. A composition of embodiment A1 wherein, in formula 2, B is cytosine or a 5-halocytosine.

D4. A composition of embodiment A1 wherein, in formula 1,  $R^1$  and  $R^2$  are independently selected from H,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  substituted alkyl,  $C_6$ - $C_{20}$  aryl,  $C_6$ - $C_{20}$  substituted aryl,  $C_6$ - $C_{20}$  arylalkyl,  $C_6$ - $C_{20}$  substituted arylalkyl, acyloxymethyl esters —CH<sub>2</sub>OC(=O)R<sup>9</sup> and acyloxymethyl carbonates —CH<sub>2</sub>OC(=O)OR<sup>9</sup> where  $R^9$  is  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  substituted alkyl,  $C_6$ - $C_{20}$  aryland  $C_1$ - $C_{20}$  substituted aryl; and  $R^3$ ,  $R^4$ ,  $R^5$ ,  $R^6$  and  $R^7$  are independently H or  $C_1$ - $C_6$  alkyl; and, in formula 2, B is cytosine or a 5-halocytosine.

E5. A composition of embodiment D 4 wherein, in formula 1,  $R^1$  and  $R^2$  are independently selected from H, acyloxymethyl esters — $CH_2OC(=O)R^9$  and acyloxymethyl carbonates — $CH_2OC(=O)OR^9$  where  $R^9$  is  $C_1$ - $C_6$  alkyl; and  $R^3$ ,  $R^4$ ,  $R^5$ ,  $R^6$  and  $R^7$  are independently H or  $C_1$ - $C_6$  alkyl; and, in formula 2, B is cytosine or a 5-halocytosine and R is H.

F6. A composition of embodiment E5 wherein, in formula 1, R¹ and R² are independently selected from H and —CH₂OC(=O)OCH(CH₃)₂; R³ is —CH₃; and R⁴, R⁵, R⁶ and R⁻ are H; and, in formula 2, B is 5-fluorocytosine and R is H.

G7. A pharmaceutical composition comprising a pharmaceutically effective amount of [2-(6-amino-purin-9-yl)-1-methyl-ethoxymethyl]-phosphonic acid diisopropoxycarbonyloxymethyl ester fumarate (tenofovir disoproxil fumarate) or a physiologically functional derivative thereof and a pharmaceutically effective amount of (2R, 5S,)-4-amino-5-fluoro-1-(2-hydroxymethyl-1,3-oxathiolan-5-yl)-(1H)-pyrimidin-2-one (emtricitabine) or a physiologically functional derivative thereof; and a pharmaceutically acceptable carrier.

H8. A pharmaceutical formulation of embodiment A1 to G7 further comprising a third active ingredient selected from the group consisting of a protease inhibitor, a nucleoside or nucleotide reverse transcriptase inhibitor, a non-nucleoside reverse transcriptase inhibitor, and an integrase inhibitor.

 A pharmaceutical formulation of embodiments A1 to H8 in unit dosage form.

J10. A method for the treatment or prevention of the symptoms or effects of an HIV infection in an infected animal which comprises administering to said animal a pharmaceutical composition of embodiments claims A1 to I9. We claim:

1. A chemically stable fixed dose combination pharmaceutical dosage form comprising 300 mg tenofovir disoproxil fumarate and 200 mg emtricitabine; a binder selected from the group consisting of povidone, gelatin, hydroxypropyl methylcellulose, cellulose, microcrystalline cellulose, starch, and acacia; a disintegrant selected from sodium starch glycolate, crosslinked-povidone, cross-linked sodium carboxymethylcellulose, and alginic acid; and a lubricant selected from the group consisting of magnesium stearate, stearic acid, and talc;

wherein said pharmaceutical dosage form exhibits less than 10% degradation of the tenofovir disoproxil fumarate or emtricitabine after 6 months when packaged and stored with silica gel dessicant at 40° C./75% relative humidity.

2. The pharmaceutical dosage form of claim 1 wherein the dosage form is oral.